

KROMBI YAHYA

Dynamic and rigorous engineer seeking a position in the field of Data/Gen IA.

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PROFESSIONAL EXPERIENCE

Data Scientist/ ML Engineer

At BNP Paribas

📅 September 2024-September 2025 📍 Paris, France

- Built a RAG chatbot using LangChain and ChromaDB in Domino Datalab, capable of analyzing complex PDFs, delivering real-time, actionable insights to inform and support strategic decision-making (LLMs-multimodels, chromadb, Streamlit, PDF/image-to-data extraction).
- Enabled multimodal analysis to interpret textual and visual data (Tesseract OCR, Vision Transformers, OpenCV, LangChain tools).
- Reduced external expenses and streamlined data workflows using GenAI and LLMs for automated database queries and insight generation (Mistral, LangChain agents, SQL, time series analysis).
- Built and deployed models for clustering, anomaly detection, and forecasting to uncover patterns and anticipate trends (K-means, DBSCAN, Isolation Forest, XGBoost, Prophet, LSTM).

Data Scientist Intern (DataOPS)

At EDF

📅 February 2023-July 2023 📍 Nanterre, France

- Created an ETL for the database of an intelligent chatbot.
- Developed a deep learning LSTM model for generating responses using NLP methods (Generative AI).
- Produced a POC of the chatbot using AWS services.

Data Analyst Intern

At Setragen

📅 September 2021-February 2022 📍 Casablanca, Morocco

- Created and managed an authentication database (PostgreSQL).
- Visualized data using dashboards (Power BI).
- Participated in the update and design of the new Setragen website.

ACADEMIC PROJECTS

Automatic HR Agent using GenAI and Deep Learning

- Built an HR agent for natural language conversations, handling recruitment and employee queries with contextual understanding (LLMs, Hugging Face, OpenAI).
- Fine-tuned models for HR-specific tasks and automated key processes through efficient deployment, testing, and integration.

Public Transport Traffic Prediction in Paris

- Data analysis (Python).
- Machine Learning model for traffic prediction (Naive Bayes).
- Deep Learning model and comparison with Machine Learning model.

EDUCATION

Mastère Spécialisé® Expert Big Data Engineer

Université de technologie de Troyes

📅 Sept 2024 – Sept 2025 📍 Paris, France

- Specialized training in Data Science and Data Engineering.
- Studied machine learning and deep learning concepts.
- Worked on generative AI projects, focusing on transformer architectures.

Engineering Cycle

ÉCOLE NATIONALE SUPÉRIEURE DE MÉCANIQUE ET DES MI-CROTECHNIQUES

📅 Sept 2019 – June 2024 📍 Besançon, France

General training in optimization, modeling, and applied mathematics.

SKILLS

- **Programming Languages:** Python R Java
- **Data Analysis:** Power BI Tableau Excel
- **Machine Learning:** Scikit-learn Pandas AWS Lex
- **Deep Learning:** Tensorflow Pytorch LLMs Prompt Engineering
- **Data Engineering Tools:** Docker Kafka MongoDB Spark
- **Big Data Tools:** SQL/NoSQL Oracle Data Mining Google Analytics Hadoop ETL Cloud Services
- **Environment:** GitLab Domino Datalab Linux VS Code AWS
- **Soft Skills:** Autonomy Project Management Teamwork Problem Solving

CERTIFICATIONS

Deep Learning and Neural Networks

DeepLearning.AI - Coursera

📅 April 2022

Core concepts of deep learning, generative AI, and sequence models.

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, and Optimization

DeepLearning.AI - Coursera

📅 June 2022

Optimization techniques for deep and generative models.

AI Agent Course

Hugging Face

📅 March 2025

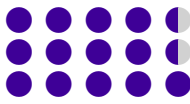
From a beginner to expert, in understanding, using and building AI agents.

LANGUAGES

French (Bilingual)

English (Linguaskill C1)

Arabic (Native language)



INTERESTS

Basketball (Morocco Champion for 2 years)

Travel Music Chess Mathematics